



Launching Device and Disposable Cartridges Containing Confetti, Paper Discs or Fluid

ABSTRACT

A multi-purpose launching device for propelling and disseminating confetti, paper disks or fluid contained in a disposable cartridge. Contents of the cartridge as well as the outside surface of the launching tube may be covered with a fluorescent material. The top part of the launching tube may serve as a flagpole to supplement its primary function at large social gatherings such as sporting or music events, wedding ceremonies, holiday celebrations, presidential campaigns, etc. The device consists of a cylindrical launching apparatus and a cylindrical cartridge that may contain confetti, paper disks, fluid, or other soft materials such as fiber, string, fabric, etc. The bottom end of the upper section of the launching tube inserts into the lower section of the launching tube. After the cartridge is loaded on the top of the launcher, the lower section of the launching tube is pulled down at first, then pushed up by the user's hands, compress air within the tube, propelling contents of the cartridge to be ejected. A disabled cartridge is used for each shot. The cartridge is economical, its contents are flexible, and it is convenient and fast to change cartridges after each shot. The cartridge's top end has a foam cover, which may be made in various interesting or funny shapes, including rocket, fruit, or even men's sexual organ.

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References Cited

825,843	Jul. 1906	Kliemandt
1,324,092	Dec. 1919	Worswick
1,491,809	Apr. 1924	Macchia

1,663,679	Mar.	1928	Carpenter	446/475; 124/74
5,015,211	May	1991	Reveen	446/475
5,634,840	Jun.	1997	Watkins	446/475
5,772,491	Jun.	1998	Watkins	446/475
5,954,563	Sep.	1999	Spriggs	446/475, 102/357
6,447,364 B1	Sep.	2002	Song	446/475
6,572,435 B1	Jun.	2003	Wong	446/475, 446/486, 124/16, 124/37